ABSTRACT

An image forming apparatus using an exposure unit of a solid-scanning type such as an LED head, reads out linear distortion correction data of an LED unit, then, calculates an amount of correcting color deviation based on the read-out data, and after that, carries out address control for color deviation correction memory. Based on this control, the apparatus creates a reference resist patterns, calculates an amount of correcting the color deviation, and writes the calculated amount in the color deviation correction memory. After that, the apparatus reads out the linear distortion correction data, and adds the amount of correcting the color deviation that is determined by sensors, and the amount of the color correction based on the linear distortion correction data, thereby carries out address controls for the color deviation correction memory. This constitution allows correcting linear distortion of the exposure unit itself with ease and accuracy, and correcting positional deviation of the exposure unit occurring during product assembly and deviation in a linear arrangement of an LED head with accuracy.